

Overview

Corridor Light

GE Model 18A/B424 (A-Beige; B-Gray) and 18A/B430 Zone Lights are mounted on walls and/or ceilings outside patient rooms and in patient area corridors to provide visual annunciation of call events and room status. Corridor lights annunciate calls and status of one room; Zone lights indicate annunciate calls and status from a group of rooms.

Zone/Corridor Light

A GE Model 18A430 (beige trim ring) or 18B430 (gray trim ring) Zone/Corridor Light is normally located at corridor intersections, and between the base console and any rooms where the associated corridor lights cannot be readily seen by staff. It is also used as a corridor light located outside each room containing more than one patient, staff, or duty station.

Standard Features

Corridor Light

- Four color sections provide flexible visual annunciation
- Distinct color separation simplifies event identification
- Quick and easy lamp replacement
- Microprocessor controlled
- Non-conductive surfaces
- UL 1069 Listed

Zone/Corridor Light & Arbitrator Monitor

- User-Programmable
- Call, Reminder, and Presence Functions
- Large Surface for Zone Identification
- Easy Lamp Replacement
- Microprocessor Controlled
- Non-Conductive Surfaces
- Supervised Operation

Corridor Light with Coupler

- Multistation Application
- Three Colored Sections
- Excellent Light Separation
- Large Surface for Room Identification
- Easy Lamp Replacement
- Non-Conductive Surfaces

Triple Corridor Light with Coupler

- Multi-Station Application
- Three Colored Sections
- Excellent Light Separation
- Large Surface for Room Identification
- Easy Lamp Replacement
- Non-Conductive Surfaces

ProCare 6000™ Corridor, Zone Lights

18A424 and 18B424 Corridor Lights

18A430 and 18B430 Zone Lights

18A433, 18B433, 18A435 and 18B435

Corridor lights w/coupler



Application

Corridor and zone lights are used to provide visual indication of calls and room status in patient care areas. Through the use of different colors and flash rates, staff are aware of service requests and/or staff presence within patient rooms.

Zone/Corridor Light

The zone light contains the same number of lamps and indicates the same functions as the corridor lights it represents, including six types of normal/priority calls, three reminder levels to indicate that staff follow-up is required for a patient in that area or zone, and three presence levels to display the locations of various staff members. The zone light is programmed to respond to a group of user-selected room corridor lights, with the capability for overlap to allow more than one zone light to respond to the same room, and at the same time respond individually to other rooms. The selection of coverage can be changed at any time using the built-in mini-switches.

To maintain visual operation in the event of a central equipment malfunction, one Model 9A2325 Arbitrator Monitor must be provided and installed for each zone (ZIU) having one or more zone lights.

Corridor Light with Coupler

The coupler allows connection of up to five each of the four different types of stand-alone devices. The red, amber, and green lamp sections of the corridor light provide four different lighting conditions, each dependent upon the type of station placing the call.

A GE Model 18A433 (beige trim ring) or 18B433 (gray trim ring) Corridor Light with Coupler is located in the corridor, above or next to the entrance door of a room that has a stand-alone auxiliary contact closure, code blue station, staff emergency station, and/or pushbutton or pull cord emergency station not connected to the ProCare 6000® System through a patient or staff/duty station with intercom capability.

Triple Corridor Light with Coupler

The GE Model 18A435 (beige trim ring) or 18B435 (gray trim ring) Triple Corridor Light with Coupler is located in the corridor, above or next to the entrance of a room or area that has up to five each of a visual only patient station, a code blue station, a pushbutton or pull cord emergency station, and/or an auxiliary contact closure such as a smoke detector not connected to the ProCare 6000® System through a patient or staff/duty station with intercom capabilities. The white, red, and amber lamp sections of the corridor light provide four different lighting conditions, each dependent upon the type of station placing the call.

Operation

Corridor and zone lights are passive devices, providing caregiving staff with visual indication of service requests and room status information.

Engineers' Specifications

Corridor Light

The GE Model [18A424] [18B424] Corridor Light and [18A430] [18B430] Zone Light with [beige] [gray] trim ring shall be wall- or ceiling-mounted adjacent to the entrances to all patient, staff, and duty rooms and patient area corridors as shown on the floor plans.

1. All lamps shall have a standard bayonet base, shall operate on 12 volts, and shall be controlled by the room station microprocessors assigned to the light. Each lamp's color shall be determined by the function being provided from the 4A23xx or 4A24xx series room stations as follows:

Normal patient/staff call:	Steady white
Priority patient call:	Slowly flashing white (15 ppm)
Emergency patient call:	Fast flashing white (60 ppm)
Lavatory call:	Fast flashing red (60 ppm)
Emergency staff call:	Fast flashing green (60 ppm)
Code blue call:	Fast flashing amber (60 ppm)
Reminder:	Slowly flashing red (15 ppm)
Reminder:	Slowly flashing amber (15 ppm)
Reminder:	Slowly flashing green (15 ppm)
Presence:	Steady red
Presence:	Steady amber
Presence:	Steady green
Bed cord pull out:	Slowly flashing white (15 ppm)
Bed aux 1 call (programmable):	Fast flashing white (60 ppm)
Bed aux 2 call (programmable):	Slow flashing white (15 ppm)
Station aux call (programmable):	Fast strobe flashing red, amber, and green consecutively (60 ppm)

2. The lamp sockets shall be attached to a two-gang chassis constructed of non-conductive, high impact, flame-retardant UL recognized plastic, rigidly reinforced to prevent breakage if attached to improperly installed backboxes.

3. The lamps shall be under a single dome lens with aluminum barriers dividing the lens into separate sections. Colors shall be generated by transparent rubber color caps placed over individual bulbs.

4. The shatterproof, heat-resistant, polymer plastic dome lens shall snap off and on for easy lamp replacement.

5. All external connections shall be made by color-coded wires for installation, replacement, and maintenance ease.

6. 18A/B424 and 18A/B430 shall mount in a RACO #696 (or equal) two-gang backbox 3.75" (9.5 cm) high, 3.38" (8.6 cm) wide, 3.5" (8.9 cm) deep. Note: Do not use gangable backboxes of any kind.

7. The 18A/B424 and 18A/B430 are Listed to UL Standard for Safety, UL 1069, and the appropriate Canadian requirements/standards, by Underwriters Laboratories Inc. (UL).

Zone/Corridor Light

The GE Model [18A430] [18B430] Zone/Corridor Light with [beige] [gray] trim ring shall be wall- or ceiling-mounted at the intersection of all corridors, and in a straight line of sight with the base console to provide a duplicate indication of any room corridor lights that cannot be readily seen from the base console.

1. Four lamps shall be under a single dome lens with barriers dividing the lens into four separate sections colored white, red, amber, and green.

a. All lamps shall have a standard bayonet base, shall operate on 12 volts, and shall be controlled by the microprocessors of the room stations assigned to the zone light. The color and illumination of each lamp shall be determined by the 4A23xx or 4A24xx series room station functions as follows:

Normal patient/staff call:	Steady white
Priority patient call:	Slowly flashing white (15 ppm)
Emergency patient call:	Fast flashing white (60 ppm)
Lavatory call:	Fast flashing red (60 ppm)
Emergency staff call:	Fast flashing green (60 ppm)

Code blue call: Fast flashing amber (60 ppm)
 Reminder: Slowly flashing red (15 ppm)
 Reminder: Slowly flashing amber (15 ppm)
 Reminder: Slowly flashing green (15 ppm)
 Presence: Steady red
 Presence: Steady amber
 Presence: Steady green
 Station aux call (programmable): Fast strobe flashing red, amber, and green consecutively (60 ppm)

Bed aux 1 call (programmable): Fast flashing white (60 ppm)
 Bed aux 2 call (programmable): Slow flashing white (15 ppm)
 Bed cord pull out: Slowly flashing white (15 ppm)

b. The shatterproof, heat-resistant, polymer plastic dome lens, measuring 3-9/32 inches (8.3 cm) by 2-5/8 inches (6.7 cm), shall snap off and on for easy lamp replacement.

c. The lamp sockets shall be attached to a two-gang chassis constructed of non-conductive, high impact, flame-retardant ABS Cyclocac® plastic, rigidly reinforced to withstand breakage if attached to improperly installed backboxes. All surfaces shall be protected against wear due to continual usage and cleaning solutions. A 4-1/2 inch (11.4 cm) square snap-on trimplate, of the same material as the chassis, shall be provided to cover any exposed mounting hardware.

2. Two miniature switches shall be provided as part of the PCB for setting the range of room addresses/room numbers to which the zone light will respond. One switch shall set the start value L (1.32), and the other shall set the end value H (1.32). The range shall be (L..H), inclusive. It shall be possible to overlap the room coverage of any number of zone lights for common response or for individual response to their respective rooms.

3. All external connections shall be made by prewired, color-coded, plug-in connectors for easy installation, replacement, and maintenance.

4. All zone lights shall be monitored by a GE Model 9A2325 Arbitrator Monitor. If the central equipment malfunctions, all zone lights associated with multiple-station rooms or with corridor intersections shall continue to function, duplicating the individual room corridor lights within each respective zone.

a. One arbitrator monitor shall be provided for each Zone Interface Unit (ZIU) in the central equipment cabinet that is connected to one or more 18A/B430 zone lights.

b. Each arbitrator monitor shall mount in a deep two-gang backbox, optionally covered by a plain stainless steel faceplate (locally supplied), located and installed between the central equipment cabinet and the first station in each zone on the data bus.

c. Each arbitrator monitor shall be powered from the 12Vdc room station power supply providing power to the stations within that monitor's zone.

5. The GE Model 18A430 and 18B430 Zone/Corridor Light and the GE Model 9A2325 Arbitrator Monitor are Listed to UL Standard for Safety, UL 1069, and the appropriate Canadian requirements/standards, by Underwriters Laboratories Inc. (UL).

Corridor Light with Coupler

The GE Model [18A433] [18B433] Corridor Light with Coupler and [beige] [gray] trim ring shall be wall or ceiling mounted at the entrance to a room or area that has one, or up to a maximum of five each, room auxiliary, code blue, staff emergency, and lavatory (emergency) stations not associated with any patient or staff/duty stations that have intercom capabilities.

1. All three lamps (red, amber, and green) shall have a standard bayonet base, shall operate on 12 volts, and shall be controlled by the built-in coupler PCB assembly. The color and illumination of each lamp shall function as follows:

Room auxiliary call: Fast strobe flashing red, amber, and (programmable) green consecutively (60 ppm)
 Code blue call: Fast flashing amber (60 ppm)
 Staff emergency call: Fast flashing green (60 ppm)
 Emergency lavatory call: Fast flashing red (60 ppm)

2. The lamp sockets shall be plug-in type, and shall be connected to a coupler PCB completely mounted to a two-gang chassis. The chassis shall be constructed of non-conductive, high impact, flame-retardant ABS Cyclocac® plastic, rigidly reinforced to prevent breakage if attached to improperly installed backboxes. All surfaces shall be protected against wear due to continual usage and cleaning solutions. A 4-1/2 inch (11.4 cm) square snap-on decorative trim ring, of the same material as the chassis, shall be provided to cover any exposed mounting hardware.

3. The lamps shall be colored red, amber, and green and shall be under a single dome lens with barriers dividing the lens into separate sections.

4. The shatterproof, heat-resistant, polymer dome lens, measuring 3-9/32 inches (8.3 cm) by 2-5/8 inches (6.7 cm), shall snap off and on to allow easy lamp replacement.

5. The coupler PCB shall provide the intelligent electronic interface to the system and connections for the stations and/or auxiliary devices. The coupler PCB and the lamps shall be powered from separate 12Vdc power supplies. The auxiliary devices shall provide dry, maintained contact closures.

6. All external connections shall be made by prewired, color-coded, plug-in connectors for easy installation, replacement, and maintenance.

7. The 18A433 and 18B433 are Listed to UL Standard for Safety, UL 1069, and the appropriate Canadian requirements/standards, by Underwriters Laboratories Inc. (UL).

Triple Corridor Light with Coupler

The GE Model [18A435] [18B435] Triple Corridor Light with Coupler and [beige] [gray] trim ring shall be wall- or ceiling-mounted at the entrance to a room or location containing one or up to five of each of the following station types: room auxiliaries, non-audio patient stations, code blue stations, and lavatory (emergency) stations not associated with any patient or staff/duty stations that have intercom capabilities.

1. All three lamps (white, red, and amber) shall have a standard bayonet base, shall operate on 12V, and shall be controlled by the built-in coupler PCB assembly.

The color and illumination of each lamp shall function as follows:

Room auxiliary call: Fast strobe flashing red, amber, and white consecutively (60 ppm)
 Code blue call: Fast flashing amber (60 ppm)
 Patient normal call: Steady white
 Emergency lavatory call: Fast flashing red (60 ppm)

2. The lamp sockets shall be plug-in type, and shall be connected to a coupler PCB completely mounted to a two-gang chassis. The chassis shall be constructed of non-conductive, high impact, flame-retardant ABS Cyclocac® plastic, rigidly reinforced to prevent breakage if attached to improperly installed backboxes.

All surfaces shall be protected against wear due to continual usage and cleaning solutions. A 4-1/2 inch (11.4 cm) square snap-on decorative trim ring, of the same material as the chassis, shall be provided to cover any exposed mounting hardware.

3. The lamps shall be colored white, red, and amber and shall be under a single dome lens with barriers dividing the lens into separate sections.

4. The shatterproof, heat-resistant, polymer dome lens, measuring 3-9/32 inches (8.3 cm) by 2-5/8 inches (6.7 cm), shall snap off and on for easy lamp replacement.

5. The coupler PCB shall provide the intelligent electronic interface to the system and connections for the stations and/or auxiliary devices. The coupler PCB and the lamps shall be powered from separate 12Vdc power supplies. The auxiliary devices shall provide dry, maintained contact closures.

6. All external connections shall be made by prewired, color-coded, plug-in connectors for easy installation, replacement, and maintenance.

7. The 18A435 and 18B435 are Listed to UL Standard for Safety, UL 1069, and the appropriate Canadian requirements/standards, by Underwriters Laboratories Inc. (UL).

U.S.
T 800-385-2639

Canada
T 519-748-5352
F 519-748-9221

www.gesecurity.com/hcc

© 2006 General Electric Company
All Rights Reserved

ProCare is a trademark of GE.

Ordering Information

Model	Description
Corridor Light	
18A424	Corridor Light (beige trim ring)
18B424	Corridor Light (gray trim ring)
Associated Equipment	
438-134	Red Filter Kit (10 color cap filters per kit)
438-135	Amber Filter Kit (10 color cap filters per kit)
438-136	Green Filter Kit (10 color cap filters per kit)
RACO #696	Two-gang backbox, 3-3/4" (9.5 cm) H, 3-3/8" (8.6 cm) W, 3-1/2" (8.9 cm) D (or equal)
Zone/Corridor Light & Arbitrator Monitor	
18A430	Zone/Corridor Light (beige trim ring)
18B430	Zone/Corridor Light (gray trim ring)
Associated Equipment for Model 18A/B430 only	
9A2325	Arbitrator Monitor
200-1331	Plug-In Connector, part of kit 438-931 (12 in kit, 1 required)
200-1334	Plug-In Connector, part of kit 438-934 (12 in kit, 1 required)
Associated Equipment for Model 18A/B430 and 9A2325	
RACO #265	Box, 4-11/16" (11.9 cm) square x 2-1/8" (5.4 cm) D, with square-cut two-device cover. Two-gang backbox, 3-3/4" (9.5 cm) H, 3-3/8" (8.6 cm) W, 3-1/2" (8.9 cm) D. c/w #881.886 Series Cover OR RACO #696
Corridor Lamp with Coupler	
18A433	Corridor Light with Coupler (beige trim ring)
18B433	Corridor Light with Coupler (gray trim ring)
Associated Equipment	
9A/B2105	Emergency Station (pull cord)
9A/B2106	Emergency Shower Station (pull cord)
9A/B2110	Emergency Station (pushbutton)
9A/B2115	Code Blue Station
9A/B2120	Staff Emergency Station
438-761	Auxiliary Input PCB Isolation Kit
200-1334	3-Pin Plug-In Connector, part of kit 438-934 (12 in kit, 1 required)
200-1335	15-Pin Plug-In Connector, part of kit 438-935 (12 in kit, 1 required)
RACO #696	Two-gang backbox, 3-3/4" (9.5 cm) H x 3-3/8" (8.6 cm) W x 3-1/2" (8.9 cm) D. Box, 4-11/16" (11.9 cm) square x 2-1/8" (5.4 cm) D, with square-cut two-device cover
Triple Corridor Lamp with Coupler	
18A435	Triple Corridor Light with Coupler (beige trim ring)
18B435	Triple Corridor Light with Coupler (gray trim ring) Triple Corridor Light
Associated Equipment	
9A/B2105	Emergency Station (pull cord)
9A/B2106	Emergency Shower Station (pull cord)
9A/B2110	Emergency Station (pushbutton)
9A/B2115	Code Blue Station
9A/B2130	Single Patient Station (visual only)
438-761	Auxiliary Input PCB Isolation Kit
200-1334	3-Pin Plug-In Connector, part of kit 438-934 (12 per kit, 1 required)
200-1335	15-Pin Plug-In Connector, part of kit 438-935 (12 per kit, 1 required)
RACO #265	Box, 4-11/16" (11.9 cm) square x 2-1/8" (5.4 cm) D, with square-cut two-device cover. Two-gang backbox, 3-3/4" (9.5 cm) H, 3-3/8" (8.6 cm) W, 3-1/2" (8.9 cm) D. c/w #881.886 Series Cover OR RACO #696

